Alloc8Me

Alloc8Me is a Streamlit dashboard designed to assist students aspiring to secure admission in the best engineering colleges in Karnataka through the KCET exam. This tool leverages historical data and intelligent algorithms to provide valuable insights and recommendations based on a student's rank, category, branch preferences, and location.

Key Features

1. Generate the Probable College List

- **Input:** Rank, Branch, Location, Category
- **Output:**
  - A list of colleges where the student has a high probability of getting admitted.
  - A separate list of colleges where the student has a low probability of getting admitted.

2. Show Exact Cutoff Information

- **Input:** College, Branch, Category
- **Output:**
  - Detailed cutoff information for the selected college, branch, and category.
  - Historical cutoff trends are used to help students understand their chances better.

3. Generate the Expert Option Entry List

- **Input:** Rank, Branch, Location, Category
- **Output:**
  - A suggested list of preferences to guide students in their option entry process.
  - Recommendations based on historical data and expert insights to maximize admission chances.

4. Compute Rank Difference

- **Input:** Rank, Branch, Category, College
- **Output:**
  - The difference between the student's rank and the college's cutoff rank.
  - A message indicating whether the college is a high probability or low probability option.

How It Works

Alloc8Me uses a well-curated dataset of past years' KCET cutoffs across various colleges, branches, and categories. By inputting their rank, category, branch preferences, and location, students can receive:

1. **Probable College List:**
   - A comprehensive list of colleges where they are likely to get admission.
   - Colleges where admission is unlikely, helping students set realistic expectations.
2. **Exact Cutoff Information:**
   - Detailed cutoff ranks for specific colleges and branches, tailored to their category.
3. **Expert Option Entry List:**
   - A strategically curated list of preferences to optimize their option entry process.
   - Guidance based on historical data to enhance their chances of admission.
4. **Rank Difference Analysis:**
   - An easy-to-understand analysis of how their rank compares to the cutoff ranks.
   - Insights on whether a particular college is within reach or not.

Getting Started

To use Alloc8Me, follow these simple steps:

1. **Enter your details:** Provide your KCET rank, preferred branch, location, and category.
2. **Generate lists and insights:** Use the tool to generate probable college lists, get cutoff information, and receive expert entry suggestions.
3. **Make informed decisions:** Utilize the rank difference analysis to refine your college preferences and make well-informed admission choices.

Conclusion

Alloc8Me aims to simplify the college admission process for KCET aspirants by providing them with personalized insights and data-driven recommendations. With Alloc8Me, students can make more informed decisions and increase their chances of getting into their desired engineering colleges in Karnataka.

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